

## Technical Data Sheet

# Pileman<sup>®</sup> - SW

## Sea Water Drilling

### General description:

**Pileman<sup>®</sup> - SW** is cent percent sea water based bentonite formulation. It has the ability to form effective thin filter cake which is not possible for attapulgite based system. It can be used in all types of sea/salt water condition where availability of fresh water is restricted.

### Product features:

- 100% Sea water can be used for slurry preparation
- Contains Natural polymer additive
- Excellent fluid loss property
- Stable under influx of Sea water
- Thin filter cake
- Shear thinning fluid.

### Dosage:

In the range of 60-80kg/m<sup>3</sup>.

*Please refer to the Rheology Chart for fluid properties.*

**Note:** Assuming sea water Hardness to be 35000ppm, Soda Ash light (Na<sub>2</sub>CO<sub>3</sub>) @ 450-500gm/m<sup>3</sup> will be required as pre-treatment to making water

Physical Properties		
Parameter	unit	Results
Moisture	%	12 max
Particle size (dry residue @ #200)	%	15 max
Loose Bulk density	t/m <sup>3</sup>	0.85

Concentration	Kg/m <sup>3</sup>	60	70	80
<b>Fann Viscosity</b>				
@600	rpm	25	31	38
@300	rpm	15	20	25
<b>Apparent Viscosity</b>	cPs	12.5	15.5	19
<b>Plastic viscosity</b>	cPs	10	11	13
<b>Marsh funnel Viscosity</b>	Sec/qt	35	40	43
<b>Filtrate Loss(As per API after 30min)</b>	ml	10	9.5	8.8

Bentonite | Polymer | Polymer-Clay Nanocomposites | Surfactant

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*the future of bentonite™*

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